

Rabbit Anti-Endothelial lipase/AP Conjugated antibody

SL2397R-AP

Product Name	Anti-Endothelial lipase/AP
Chinese Name	碱性磷酸酶（AP）标记的内皮脂肪酶抗体
Alias	LIPG; EC 3.1.1.3; EDL; EL; Endothelial cell-derived lipase; Endothelial lipase; Endothelial lipase precursor; Lipase endothelial; LIPE_HUMAN; LIPG; Lipoprotein lipase H; PL; PRO719.
Research Area	Tumour Cardiovascular Cell biology immunology Signal transduction The new supersedes the old
Immunogen Species	Rabbit
Clonality	Polyclonal
Clone NO.	55kDa
React Species	Rat(predicted:Human,Mouse,Chicken,Dog,Pig,Cow,Horse) WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, ELISA=1:5000-10000
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	55kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Endothelial lipase
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: The protein encoded by this gene has substantial phospholipase activity and

may be involved in lipoprotein metabolism and vascular biology. This protein is designated a member of the TG lipase family by its sequence and characteristic lid region which provides substrate specificity for enzymes of the TG lipase family. [provided by RefSeq, Jul 2008].

Function:

Has phospholipase and triglyceride lipase activities. Hydrolyzes high density lipoproteins (HDL) more efficiently than other lipoproteins. Binds heparin.

Subunit:

Head to tail homodimer.

Subcellular Location:

Secreted.

Tissue Specificity:

High level of expression in the liver, placenta, lung, thyroid, kidney, testis and in the corpus luteum of the ovary. Expressed also in coronary artery endothelial cells, umbilical vein endothelial cells and in hepatocytes and osteosarcoma cell lines. Not detected in heart, brain and muscle.

Similarity:

Belongs to the AB hydrolase superfamily. Lipase family. Contains 1 PLAT domain.

Database links:

[Entrez Gene: 9388](#) Human

[Entrez Gene: 291437](#) Rat

[Omim: 603684](#) Human

[SwissProt: Q9Y5X9](#) Human

[SwissProt: Q8V BX1](#) Rat

[Unigene: 465102](#) Human

[Unigene: 199051](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

EL 被确定为甘油三酯脂肪酶家族的新成员，由于 EL 是由 vascular endothelial cell 合成和分泌，因此被命名为内皮脂肪酶，相应的基因命名为内皮脂肪酶基因(endothelial lipase gene, LIPG)。EL 也是一种 Secretory protein，由 483 个氨基酸组成，分子量约 55kD，在人体多种组织中都有表达：冠状动脉、胎盘、甲状腺、肝脏、肺脏、肾脏、睾丸和卵巢等组织中都可发现。